



COLORADO SPRINGS,
COLORADO

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February 1994



Amateur Radio News Service

Pikes Peak Radio Amateur Association, Inc.
P. O. Box 16521
Colorado Springs, Colorado 80935

FIRST CLASS MAIL



Ø BEAT



P.P.R.A.A Officers and Directors

President--	Steve Westby	WØTVRØ	1540 Keith Dr.	80918	570-1070
Vice-President--	Al Vrooman	NØMMW	1341 Diana Ln.	80909	473-1660
Secretary--	Men Phillips	NØNN	4850 Santiago Way	80917	574-6358
Treasurer--	Thomas McDaniel	NØNTX	4258 Shining Way	80916	570-1465
Board Member--	Ora Marie Rose	NØOQJ	5214 Colter Lane	80916	591-6766
Board Member--	Malcolm Benton	KE9S	15365 Deby Drive	80921	488-2071
Board Member--	Liz Deutsch	NØTUK	4305 Ridgelane Dr.	80918	593-8362
Board Member--	Steve Schaarschmidt	KØCI	8156 Tuckerman Ln.	80918	570-1070
Past President--	Luci Stansberry	NØOUD	2630 E. Uintah	80918	636-1290
Ø-Beat Editor--	Ron Deutsch	NØKED	4305 Ridgelane Dr.	80918	570-1070

ZERO BEAT is published monthly in the interest of the members or the Pikes Peak Radio Amateur Association, Inc., PO Box 16521, Colorado Springs, Colorado 80935. For membership and subscription information see last page of this publication. The Pikes Peak Radio Amateur Association meets monthly on the second Wednesday of each month at the Disabled American Veterans, Chapter 26, 6880 Palmer Park Blvd. at 7PM.

EDITOR: Ron Deutsch, NKØP, 4305 Ridgelane Drive, Colorado Springs, Colorado 80918 (719)593-8352
Deadline for submission of articles or ads is the 21st of each month. Submissions may be sent to the Editor or to the club PO box. Permission to reprint articles is granted provided credit is given to both the author and this publication.

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OM/YL Lunch Bunch

The Lunch Bunch met on January 20, 1994, at which time it was decided to take up a collection for food to give to the DAV for their Care & Share program in memory of Ivan Hickman, NØMIX. A plant was taken to Bobbie along with cards signed by all those who attended. Ivan will surely be missed by all of us as a member of our group.

Our next luncheon will be held on February 17, 1994 at 12:00 noon at the Home Town Buffet at the Shops of the Bluffs so come join us for a most enjoyable lunch.

73's Rosie Calaway, WAØMNL The "Honey-Cured Ham"

Monument Hams Meet

A informal group of radio amateurs in the Monument/Palmer Lake area are meeting for breakfast at the Monument Village Inn, 2nd Saturday of the month, 8:00 am. So come on out and meet some of the radio amateurs in the Palmer Divide area. For more information, contact Bob, KBØCY on 147.725 (-) or 488-0859.

Ham Radio BBS

The Colorado Springs Ham Radio BBS is operating 24h/day and featuring the US Call Book on line. Sysop Rob Roller, WBØWHT, 282-0108 N-8-1 2400 Baud

VE Testing

Rick Brown - KDØSU

VE Testing is sponsored by the PPRAA on the 2nd Saturday of February, April, June, August, October and December. Testing takes place at 9:00 AM at:

Denver Technical College (DTC)
225 South Union
Colorado Springs

While we prefer pre registration, walk-ins are accepted on a space available basis. As a reminder to anyone wishing to take an examination you should bring the follow items.

1. \$5.75 (preferably a check made out to ARRL/VEC) for all exams other than elements 1A or 2.
2. Picture identification
3. A copy of your current amateur license as well as the signed original, or a copy of any examination credit you have.
4. Pen, pencils, and a calculator if you need one.

To pre register, or if you have any questions, please call me at 531-9423. Please do not call DTC, they only provide us the place, and do not have any of the information about testing.

P.P.R.A.A. MEMBERSHIP FOR 1994

Call	First Name	Last Name	Address	City	State	Zipcode	Phone
KABDLJ	JACKIE	WARD	12406 OLD PUEBLO RD.	FOUNTAIN	CO	80917	382-7311
ADWZ	ALLEN	BAILEY	2715 ALTEZA LANE	COLD. SPGS.	CO	80917	597-8514
ALTZW	LINDY G.	DANIELSON	4506 HARWOOD RD.	COLD. SPGS.	CO	80916	596-5977
KCIC	STEVE	SCHAARSCHMIDT	6155 TUCKERMAN LANE	COLD. SPGS.	CO	80918	598-3554
KBCST	GERALD	HANSZ	7015 KIPLING ST.	COLD. SPGS.	CO	80911	398-4106
KOGH	JOHN	CRAWFORD	555 HIDDEN MARSH RD.	MONUMENT	CO	80132	401-3568
KOROL	DAK	STOCKTON	5102 GALLEY RD. #429AN	COLD. SPGS.	CO	80915	570-7702
KOSPS	JIM	KEEFABER	811 S. SAMMATH ST.	COLD. SPGS.	CO	80903	475-0748
KOTER	MIKE	STANSBERRY	2630 E. VINTAH	COLD. SPGS.	CO	80909	636-1290
KOUNS	JIN	ZIMMERMAN	4411 EDWINSTONE	COLD. SPGS.	CO	80907	599-3119
KOMVB	CARL	MOODRUFF	2405 PASEO RD.	COLD. SPGS.	CO	80907	634-0372
K2MAN	ARTHUR	GEORGE	1049 KEITH DR.	COLD. SPGS.	CO	80916	591-2701
X4YCD	BILL	STANFILL	105 SADDLE MOUNTAIN RD.	COLD. SPGS.	CO	80919	531-7738
XBCIN	ANTHONY	FERMAN	3770 E. VINTAH ST. #818	COLD. SPGS.	CO	80909	
KAMMTX	RALPH	STREAMER	1304 N. FOOTE AVE.	COLD. SPGS.	CO	80909	634-1001
XABOYZ	ARLENE	HICKEY	12895 TIA LANE	COLD. SPGS.	CO	80908	
XABPXE	CONNIE	STREAMER	1304 N. FOOTE AVE.	COLD. SPGS.	CO	80909	634-1001
XAWRGCC	GENNELL	HAUSAUER	5252 CRACKER BARREL CR.	COLD. SPGS.	CO	80917	597-4095
XABRDY	RENAY	BOYES	2410 E. VINTAH ST.	COLD. SPGS.	CO	80909	633-5650
XABROZ	JOODY	BORST	2542 E. B13DU	COLD. SPGS.	CO	80909	634-3995
XABTAG	LARRY	DCNS	P.O. BOX #	SYRACUSE	KS	67878	384-7478
XABTSA	DALEAH	JAMES	510 E. WASHINGTON	COLD. SPGS.	CO	80917	430-1542
XAMNIE	ALFRED	SONTAG	216# SWANNEE CT.	COLD. SPGS.	CO	80915	591-8298
XABWUT	ALLEN	TURNER	1935 OKEECHOBEE DR.	COLD. SPGS.	CO	80915	573-0208
XAFGK	GLENN	UNDERWOOD	1665 TAHEWANAH DR.	COLD. SPGS.	CO	80915	500-0274
XASTDH	GUS	FREYER	1261 FRIENDSHIP LANE E.	COLD. SPGS.	CO	80904	471-0449
XAGAHY	JOHN	GREEN	2527 VETERANS HEIGHTS	COLD. SPGS.	CO	80904	389-4771
XAGIDD	MICHAEL	CASELLA SR.	5027 MADGEELL AVE.	COLD. SPGS.	CO	80915	574-8294
XAGHMX	SUSAN	SMITH	12455 DONOVAN LN.	COLD. SPGS.	CO	80908	495-0624
XABZR	PHILLIP	VERRET	6319 BRIGHTSTAR DR.	COLD. SPGS.	CO	80918	598-2455
XABDNE	CAROLYN	SORRELLS	320# BRIARCLIFF DR.	FINDLAY	OH	45840	422-1600
XABCY	BOB	WTTE	1807# SUNBURST DR.	MONUMENT	CO	80132	488-0859
XABDKS	ALLAN	HAENSGEN	5134 WINDGATE CT.	COLD. SPGS.	CO	80917	570-1466
XBBEPN	ARVY	KYSELY	3011 E. SPRINGLAKE CR.	COLD. SPGS.	CO	80906	576-1002
XBBEPN	F.A.	ODO	1923 WOODBURN ST.	COLD. SPGS.	CO	80906	471-1083
XBBEXL	LAURIEA	CDX	4241 MARLOW CIR.	COLD. SPGS.	CO	80916	597-9760
XBBEZG	JENNIFER	COX	4241 MARLOW CIR.	COLD. SPGS.	CO	80916	597-9760
XBBEZH	STEPHONIE	COX	4241 MARLOW CIR.	COLD. SPGS.	CO	80916	597-9760
XBBFNU	RUSS	CALAWAY	616 N. 31st ST.	COLD. SPGS.	CO	80904	471-9965
XBOTAP	MICHAEL	PROCTOR	4405 RIDGECREST DR.	COLD. SPGS.	CO	80918	599-3764
XBOJOR	DOLORES	BRANTLEY	1806# RED ROCKS DR.	MONUMENT	CO	80132	401-2148
XBOKID	GEORGE	MOLITORIS	P.O. BOX 25785	COLD. SPGS.	CO	80936	550-9463
XBOLGX	TERRY	MOUSH	4869C SONATA DR.	COLD. SPGS.	CO	80918	598-0693
XBOLGM	JOHN	YEPSEN	2209 W. GREENWICH CIR.	COLD. SPGS.	CO	80909	596-6902
XBOLNA	PAMELA	TURNER	1935 OKEECHOBEE DR.	COLD. SPGS.	CO	80915	573-0208
XBONH	DR. DON	HAWLEY	1019 N. CIRCLE DRIVE	COLD. SPGS.	CO	80909	635-9367
XBQQI	FAYE	HEAREN	3018 W. KIOWA	COLD. SPGS.	CO	80904	432-4574
XBORD	BASCON	TILLOTSON JR.	1560 KENLAND CT.	COLD. SPGS.	CO	80915	637-1992
XBONX	RICHARD	STIEMMNER	7955 TANGLEBARK LANE	CASTLE ROCK	CO	80104	593-1935
XB2BAJ	ELEANOR	BELLAMY	2413 WARMICK LANE	COLD. SPGS.	CO	80909	591-2378
XB6CC	D. SCOTT	THOMPSON	875 S. COLORADO BLVD. #690	DENVER	CO	80222	750-1065
XB7CAY	R.R.	BUCHANAN	3440 VALEJO CT.	COLD. SPGS.	CO	80918	594-9417
XB7RUP	ART	WARTOGIAN	2307 LEXINGTON VILLAGE LANE	COLD. SPGS.	CO	80916	573-9176

P.P.R.A.A. MEMBERSHIP FOR 1994

Call	First Name	Last Name	Address	City	State	Zipcode	Phone
KCQNC	LES	BORST	2542 E. BIJOU	COLD. SPGS.	CO	80909	634-3995
KCQTO	MARKLEY	MANSEN	9011 MINNESOTA	WYOMING	AZ	85248	895-0221
KC4KSS	MATT	MARNOCK	5175 PINON VALLEY RD.	COLD. SPGS.	CO	80919	531-6689
KC4QHM	ROBERT	RUBIND	940 MARLSTONE PL.	COLD. SPGS.	CO	80904	575-0654
KD1HB	EDWARD	LUND	6965 WILDRIDGE RD.	COLD. SPGS.	CO	80908	495-9087
KD0QE	HERB	CHILDRESS	99 RAVEN HILLS COURT	COLD. SPGS.	CO	80919	598-2346
KD0SU	RICK	BROWN	3249 SQUAN VALLEY DR.	COLD. SPGS.	CO	80918	531-9423
KD4LZE	WILLIAM	DIETERICH	2000 DUBLIN BLVD. #283	COLD. SPGS.	CO	80918	594-4474
KD6HOF	LINDA	VERNET	6319 BRIGHSTAR DR.	COLD. SPGS.	CO	80918	598-2455
KD6HNP	DAVID	BOTJOEFF	5811 OAKWOOD BLVD.	COLD. SPGS.	CO	80918	535-9445
KE8GJ	DON	MOHESL	1207 WHITEHOUSE DR.	COLD. SPGS.	CO	80904	528-9995
KE8JU	CLARK	MATTINGLY	5263 MEADOWGREEN DR.	COLD. SPGS.	CO	80919	599-3814
KE8MC	DON	CHATELAINE	1470 LOFLIN RD.	COLD. SPGS.	CO	80930	531-2011
KE9S	MALCOLM	DENTON	15365 DEBY DR.	COLD. SPGS.	CO	80921	488-2871
KF0CT	SHARLES	RTEL	7700 GREENWOOD CIR.	COLD. SPGS.	CO	80918	473-6308
KF1AM	STEVE	WYNNE	4510 SLEEPY HOLLOW CIR.	COLD. SPGS.	CO	80917	574-2988
KF1VG	ARTHUR	BLATON	150 DOLOMITE DR.	COLD. SPGS.	CO	80919	593-1719
KF0WF	FRANK	MCNALLY	3713 DIXON WAY	COLD. SPGS.	CO	80909	596-8733
KF4B	ED	DALE	19805 RIVERGLEN LN.	MONUMENT	CO	80132	481-4297
KG0AE	JAMES	SUDDARTH, Jr.	1400 SOUTHMOOR DR.	MONUMENT	CO	80817	392-5675
KG1BQ	RICHARD	MONROE	3133 DELIVERANCE DR.	COLD. SPGS.	CO	80918	531-9555
KG8EP	DMONLAR	HEPPNER	2695 HAYSTACK DR.	COLD. SPGS.	CO	80922	637-3517
KI	JOSEPH	MARCIANO	1214 AUBURN DR.	COLD. SPGS.	CO	80905	597-0825
KH0MP	LARRY	XRAL	8665 BROCKHILL DR.	COLD. SPGS.	CO	80920	531-4114
KH0CN	CHARLES	CHANSON	2823 N. UNTAH	COLD. SPGS.	CO	80904	632-8413
KH0CZ	ANDY	FREEBORN	5222 BORREGO DR.	COLD. SPGS.	CO	80918	598-8373
KH0GP	NORMAN	LESLIE	P.O. BOX 404	MONROVIA PARK	CO	80866	607-3539
KH0HM	ALLEN	VRONMAN	1341 DIANA LN.	COLD. SPGS.	CO	80909	473-1668
KH0TV	BOB	HAGGART	158 WIDEFIELD BLVD.	COLD. SPGS.	CO	80911	390-0911
KH0TY	DAVE	JACOBS	100 OLD MOUNTAIN RD.	COLD. SPGS.	CO	80906	475-0537
KH0YH	ZIMM	McCARTY	2610 E. BIJOU ST.	COLD. SPGS.	CO	80909	633-3479
KH0DF	BUD	LIBENGOOD	99 OLD MOUNTAIN RD.	COLD. SPGS.	CO	80906	475-0537
KH0PF	MARK	RICHARDSON	5040 LACY LANE #12	COLD. SPGS.	CO	80916	597-7420
KH0FQ	KENNETH	WAY	2810 DR. BLANCO DR.	COLD. SPGS.	CO	80917	574-7318
KH0EC	H.B.	NETCALT	1000 FORTUNE DR.	COLD. SPGS.	CO	80904	471-0071
KH0HT	DOUG	BROWER	19720 TOP O' THE MOOR DR.	MONUMENT	CO	80132	531-4555
KH0RD	WILL	ZIMMERMAN	2106 HUNTON ST.	COLD. SPGS.	CO	80910	471-0527
KH0EN	FRANK	KALTENSTEIN	5102 GALLEY RD. #3048	COLD. SPGS.	CO	80915	596-7980
KH0JM	DAVID	BANKS	702 GREY EAGLE CIRCLE #9	COLD. SPGS.	CO	80919	260-1318
KH0ISU	BOB	FRENCH	3224 N. FONTANERO	COLD. SPGS.	CO	80904	630-1127
KH0ZQ	SARALEE	HOSEA	1907 TESLA DRIVE	COLD. SPGS.	CO	80909	596-0587
KH0JLH	JEFF	HOYES	2410 E. UNTAH ST.	COLD. SPGS.	CO	80909	633-5658
KH0JPN	KEN	PHILLIPS	21734 FALCON HWY.	PEYTON	CO	80831	603-3027
KH0KAH	HERMAN	JOHNSON	4470 LINCOLN PLAZA DR.	COLD. SPGS.	CO	80911	392-0131
KH0UU	RONNY	JAMES	510 E. WASHINGTON	COLD. SPGS.	CO	80907	630-1542
KH0T	DAVID	ALMQVIST	4712 N. WEBER ST.	COLD. SPGS.	CO	80907	593-7552
KH0LA	PETER	CAVETTE	5750 N. MERIDIAN RD.	PEYTON	CO	80831	495-4829
KH0LG	GREGORY	CHITH	3370 BRIDGEMATER DR.	COLD. SPGS.	CO	80916	390-5382
KH0LG	LYDIA	KILE	4150 ALDER CT.	LOVELAND	CO	80538	962-9179
KH0MM	CORRIE	HAGGART	158 WIDEFIELD BLVD.	COLD. SPGS.	CO	80911	392-1617
KH0JN	PHILIP	ATKINS	5255 FARM RIDGE PL.	COLD. SPGS.	CO	80917	597-1561
KH0JX	WILLIAM	PETTY	2765 SIERRA DR.	COLD. SPGS.	CO	80917	591-2116
KH0KU	TED	ALLISON	1323 OSNEGO	COLD. SPGS.	CO	80904	633-1517

P.P.R.A.A. MEMBERSHIP FOR 1994

Call	First Name	Last Name	Address	City	State	Zipcode	Phone
NWNP	KENNETH L.	PHILLIPS	4850 SANTIAGO WAY	COLO. SPGS.	CO	80917	574-6358
NWBLE	TAMI	KEITH	3370 BRIDgewater DR.	COLO. SPGS.	CO	80916	398-5382
NWBRA	SHARON	MARNOCK	5175 PINON VALLEY RD.	COLO. SPGS.	CO	80919	531-6609
NWBTX	THOMAS	MCDANIEL	4255 SHINING WAY	COLO. SPGS.	CO	80916	579-1465
NWOCZ	MICHEAL R.	MARTIN	3148 MAVERICK DR.	COLO. SPGS.	CO	80918	594-9339
NWODU	RALPH	ROHRIG	7050 COOLIDGE	WIDEFIELD	CO	80911	392-9318
NWODE	PHILLIP C.	MURKIN	5640 SADDLEROCK RD.	COLO. SPGS.	CO	80918	520-8841
NWOPH	RAMONA	PATIS	SPACE CND DET CMR #02 BOX1863	WV	AE	89180	495-9346
NWOPM	SHARON	SIGNORELLI	P.O. BOX 6069	COLO. SPGS.	CO	80934	632-2829
NWOPN	ALAN	ARNOLD	2065 FARRINGTON ST	COLO. SPGS.	CO	80916	637-1713
NWORU	STEVEN	LINDBLUM	412 LOCUST ST.	ANITA	IA	50020	762-4214
NWOTZ	MARK	JEAKLE	2025 WESTMORE LANE RD.	COLO. SPGS.	CO	80907	-
NWOUU	LUCI	STAMSBERRY	2630 E. UNTAH	COLO. SPGS.	CO	80909	634-1290
NWPRS	KEVIN	PENITI	7245 ASHLEY DR.	COLO. SPGS.	CO	80922	528-1124
NWPRY	IVAN	HIPSZKY	5805 BOURKE DR.	COLO. SPGS.	CO	80919	528-8361
NWPVP	PATRICIA	O'DELL	181 WOODLAND VALLEY RD.	WOODLAND HANE	CO	80863	687-6649
NWPVR	CHAUNCEY	O'DELL	181 WOODLAND VALLEY RD.	WOODLAND VILLE	CO	80863	687-6649
NWPZU	JERRY	MURKIN	2230 GLENWOOD CIR.	COLO. SPGS.	CO	80909	574-3745
NWQCF	RICH	JANOKA	4890 OLD FARM CIR. N.	COLO. SPGS.	CO	80917	591-9917
NWQCV	RAY	MURKIN	4890 OLD FARM CIR. N.	COLO. SPGS.	CO	80917	591-9917
NWQJS	JOHN	ROTH Jr.	4117 BENT DR.	COLO. SPGS.	CO	80909	596-6285
NWQJN	GRADY	BRANTLEY	18060 RED ROCKS DR.	MONUMENT	CO	80132	481-2140
NWQJX	ORA MARIE	ROSE	5214 COLTER LANE	COLO. SPGS.	CO	80915	591-5756
NWQMO	COLLEEN	MURKIN	675 ROCK CREEK MESA RD.	COLO. SPGS.	CO	80926	576-1343
NWQMT	DONALD	FRENCH	4945 MARK DABLING BLVD. B19	COLO. SPGS.	CO	80918	598-8732
NWQNN	CHRIS	BANKS	702 GREY EAGLE CIRCLE SO.	COLO. SPGS.	CO	80919	268-1318
NWQNM	JOHN	GALBRAITH	675 ROCK CREEK MESA RD.	COLO. SPGS.	CO	80926	576-1343
NWRBT	TODD	MCHALLY	3713 DIXON WAY	COLO. SPGS.	CO	80909	596-8733
NWRHM	SEAN	MCHALLY	3713 DIXON WAY	COLO. SPGS.	CO	80909	596-8733
NWRHO	ROBERT	NYMAN	4409 BARKMAN CIR.	COLO. SPGS.	CO	80916	574-5161
NWRYM	ELIZABETH	MURKIN	412 LOCUST ST.	ANITA	IA	50020	762-4214
NWSFP	HARRY	RUSSELL	529 E. HARMON	COLO. SPGS.	CO	80916	-
NWSIG	DEBORA	MURKIN	QHS. 6650 A	USAFA ACADEMY	CO	80840	472-1438
NWTBZ	BILL	NEWELL	2505 ANDROMEDA DR.	COLO. SPGS.	CO	80906	-
NWTDL	SUZANNA	DICKERSON	5935 BREEZE CT.	COLO. SPGS.	CO	80918	592-8869
NWTDS	AL	BOLGER	11425 DODGE CIR.	FALCON	CO	80831	683-2506
NWTUJ	JIM	MURKIN	5433 MAJESTIC DR.	COLO. SPGS.	CO	80919	592-9625
NWTUK	LIZ	DEUTSCH	4305 RIDGE LANE DR.	COLO. SPGS.	CO	80918	593-8352
NWTUL	BILL	BRAMLEY	1175 PANORAMA DR.	COLO. SPGS.	CO	80904	635-7853
NWUNZ	MICHELE	MURKIN	2065 FARINGTON ST.	COLO. SPGS.	CO	80916	637-1713
NWUDC	BRIAN	MURKIN	4680 S. SLEEPY HOLLOW CIR.	COLO. SPGS.	CO	80917	578-8947
NWUDD	VIRGINIA	HIPSZKY	5005 BOURKE DR.	COLO. SPGS.	CO	80919	528-8361
NWUVR	DAVE	KURTH	8720 CHAPEL SQ. CT.	COLO. SPGS.	CO	80920	593-9686
NWUVU	JIM	PATTERSON	1424 WEST 81JOU	COLO. SPGS.	CO	80904	633-3919
NWVAO	JAY	MATTHEWS	P.O. BOX 88	CALMAN	CO	80808	347-2392
NWVAR	ANN	LaFOSSE	5750 N. MERIDIAN RD.	PATYTON	CO	80831	495-4829
NWVBG	JOHN	EPELY	3055 SIERRA VISTA RD.	MONUMENT	CO	80132	481-3786
NWVBH	RICK	MURKIN	4765 HOLISTER CT.	COLO. SPGS.	CO	80919	548-1200
NWVBJ	CHARLES	CAIN	7095 BELL DR.	COLO. SPGS.	CO	80920	264-6221
NWVBK	BARB	MCHALLY	3713 DIXON WAY	COLO. SPGS.	CO	80909	596-8733
NWVBM	JOHN	MURKIN	1765 KIMBERLY PLACE	COLO. SPGS.	CO	80915	550-1489
NWVBH	CHUCK	LEPINE	6621 FIELDING CIRCLE	COLO. SPGS.	CO	80911	392-8379
NWVBQ	NOEL	MARRERO	3036 S. ACADEMY BLVD.	COLO. SPGS.	CO	80916	391-1847

P.P.R.A.A. MEMBERSHIP FOR 1994

Call	First Name	Last Name	Address	City	State	Zipcode	Phone
NOV8Q	BOB	MAHERY	737 E. PLATTE AVE.	COLORADO SPRINGS	CO	80903	635-8598
NOVBR	MILLIE	MAHERY	737 E. PLATTE AVE.	COLORADO SPRINGS	CO	80903	635-8598
NOVDF	DAVID	PARSONS	2874 SERENDIPITY CR. WEST	COLORADO SPRINGS	CO	80917	574-1001
NOVKS	ROBERT	PETERSON	6317 GALWAY DR.	COLORADO SPRINGS	CO	80918	597-0002
NOVLV	JAMES	JONES JR.	1983A DODGE CIR.	PAYTON	CO	80931	683-3596
NOVNX	LARRY	DICKERSON	5935 BREEZE CT.	COLORADO SPRINGS	CO	80918	592-0069
NOVPA	JEFF	RYAN	6721 NORTHFACE LN.	COLORADO SPRINGS	CO	80919	260-6826
NOVQM	ROBERT	ARMSTRONG JR.	1434 ALLEGHENY DR.	COLORADO SPRINGS	CO	80919	260-1997
NOVTY	RICHARD	BROWNE	4626 LA CRESTA DRIVE	COLORADO SPRINGS	CO	80918	598-4545
NOXFO	WILLIAM	BEANE	6021 COPPER MTN. DR.	COLORADO SPRINGS	CO	80918	599-8708
NOXFY	ERIC	HOLT	1026 RICE DR. #104	COLORADO SPRINGS	CO	80906	575-9586
NOXHN	MICHAEL	FAY	2005 KITTRIDGE AVE.	COLORADO SPRINGS	CO	80919	599-8107
NOXNT	BILL	TURNER	7 RAVEN HILLS COURT	COLORADO SPRINGS	CO	80919	598-4225
NOXNU	ALLISON	PARSONS	2874 SERENDIPITY CR. WEST	COLORADO SPRINGS	CO	80913	574-1001
NOXNN	CHUCK	KELLEY	P.O. BOX 1327	COLORADO SPRINGS	CO	80901	632-1867
NOXXA	DONALD	GILCHRIST	2714 NORTH ARCADIA ST.	COLORADO SPRINGS	CO	80907	633-9422
NOXXC	ISRAEL	VELEZ	3114 MOONBEAM CR. S.	COLORADO SPRINGS	CO	80916	391-8726
NOYGM	KEN	KNIGHT	4413 TEETER TOTTER WAY	COLORADO SPRINGS	CO	80917	661-3437
NOYSD	WILLIAM	CLARK	4053 SODHOUSE TRL.	COLORADO SPRINGS	CO	80917	637-1065
NOYTN	TROY	ALLEN	820 BAYFIELD WAY APT#301	COLORADO SPRINGS	CO	80906	540-0135
NOZCZ	MICHAEL	ALLISON	2627 BANNISTER COURT	COLORADO SPRINGS	CO	80920	590-4012
NOZFX	GLORIA	RYAN	6721 NORTHFACe LANE	COLORADO SPRINGS	CO	80919	598-4077
NOZOK	TERESA	WHEELER	6575 MONTANKER DR.	COLORADO SPRINGS	CO	80918	593-0714
NOZPN	JOHN	HARRIS	3485 WHIMBREL LANE	COLORADO SPRINGS	CO	80906	576-2706
NOZPZ	JOHN	WHEELER	6575 MONTANKER DR.	COLORADO SPRINGS	CO	80918	593-0714
NOZUY	TOM	KELLY	5955 DEL REY DR.	COLORADO SPRINGS	CO	80918	598-3370
N2HMF	KURT	MORTON	2230 ANGELBLUFF CT.	COLORADO SPRINGS	CO	80919	598-1394
N2INZ	AL	CRAIG	5562 DUNBAR COURT	COLORADO SPRINGS	CO	80918	594-9208
N4TGO	DOUGLAS	PARIS	SPACE CMD DET CMR 402 BOX1B6J	MPU	ME	89180	495-9346
N5TT	BOBBY	PETROSKY	105 SPANISH OAK DR.	GEORGETOWN	TX	78628	
N5ZUH	CALVIN	HEGEMAN	PO BOX #709	APO	AA	34042	
N6EMY	MIKE	WOSKINS	722N RISING MOON DR.	COLORADO SPRINGS	CO	80919	531-0362
N6FLC	SCOTT	HARVEY	9310 BROKEN ROW CT.	BLACK FOREST	CO	80908	495-9077
N6JRL	DONALD	DUBON	5653 OREGON ST.	CAMP LEJEUNE	NC	28547	353-8578
N6VTS	JOHN	HIGGINS	7990 SCARBOROUGH DR.	COLORADO SPRINGS	CO	80920	282-9328
N7AAQ	HARVEY	HATCH	521 ANACONDA DR.	COLORADO SPRINGS	CO	80919	598-7954
N7OGL	DENNIS	OCHS	854 SANTE FE ST.	COLORADO SPRINGS	CO	80903	630-0704
N8CIX	GEORGE	HINDS	P.O. BOX 5700	WOODLAND PARK	CO	80866	687-2610
NH6DN	NICK	POWELL	4780 RUSTLER CT.	COLORADO SPRINGS	CO	80918	260-9321
NK0L	JEFF	BRONER	3800 MARTIN LN.	TWO RIVERS	NJ	54241	
NK0P	RON	DEUTSCH	4305 RIDGE LANE DR.	COLORADO SPRINGS	CO	80918	593-8352
NXDE	CHRIS	SMITH	12455 DONOVAN LN.	COLORADO SPRINGS	CO	80908	495-0624
VE3DY	KEITH	GOODIE	20 WOODHEAD CRESCENT	NORTH TONKAWA	OK	733275	882-5524
MDANX	ZIM	HERRILL	1434 N. FOOT	COLORADO SPRINGS	CO	80909	635-1139
MDCHG	FRANK	SAMPLE	252 CUNNINGHAM DR.	COLORADO SPRINGS	CO	80911	392-1368
MDFPQ	CLARENCE	WOLFE	6750 DALE RD.	COLORADO SPRINGS	CO	80915	300-1000
MDIHO	ARTHUR	BARBEAU	702 PIONEER LANE	COLORADO SPRINGS	CO	80904	632-0946
MDKOH	WILLIAM	HEADLE	122 HARVARD ST.	SECURITY	CO	80911	392-9779
MDLKD	WILLIAM	KING	2916 N. INSTITUTE ST.	COLORADO SPRINGS	CO	80907	634-4751
MDLME	CLIFF	UPTON	4145 AMITRA CIR.	COLORADO SPRINGS	CO	80918	598-5420
MDMCT	DOC	CORNELL	721 LANSING DR.	COLORADO SPRINGS	CO	80909	596-4216
MDMLN	DENNIS	SHAWL	1231 JAMES LANE	COLORADO SPRINGS	CO	80909	635-9790
MDMOG	BARRY	COOK	2750 N. ARCADIA ST.	COLORADO SPRINGS	CO	80907	634-8009

P.P.R.A.A. MEMBERSHIP FOR 1994

Call	First Name	Last Name	Address	City	State	Zipcode	Phone
M00XY	HAL	BERGESON	809 E. VERNIJO AVE.	COLD. SPGS.	CO	80943	471-0238
M00W	PAUL	SIGNORELLI	P.O. BOX 6069	COLD. SPGS.	CO	80934	632-2829
M00Z	GEORGE	CLARK	2124 GLENHILL ROAD	COLD. SPGS.	CO	80966	635-4158
M000	ED	MEANS	212 FARRAGOT AVE.	COLD. SPGS.	CO	80969	473-6174
M00HE	MARREN	HICKEY	12895 TIA LANE	COLD. SPGS.	CO	80908	
M00HZ	DAVID	WILSON	7256 WHITLEY DR.	COLD. SPGS.	CO	80928	599-3819
M1JU	HARVEY	LeCATO	746W TAOS DRIVE	COLD. SPGS.	CO	80928	599-8604
M2SRW	WILLIAM	FRENCH	1155 ELLICOT HWY.	CALIFAN	CO	80908	683-2770
M2TJO	THOMAS	BRERETON	3915 CANTRELL DR.	COLD. SPGS.	CO	80911	390-9247
M3TEB	HARRY	BUCHIN	21 EAST MAIN ST.	MACUNGIE	PA	18062	966-5500
M3TMR	MEL	HOSEA	1907 TESLA DRIVE	COLD. SPGS.	CO	80909	596-0587
M00H0J	JOE	BROWNING	2627 NEIR AVE.	COLD. SPGS.	CO	80910	471-9868
M00JTD	FRED	ALDEN	7080 GAZL CT.	COLD. SPGS.	CO	80928	
M00XPX	FRANK	FINNEY	8635 CHANCELLOR DR.	COLD. SPGS.	CO	80928	282-9304
M00YYD	CHARLES	EINING	3755 E. CRESTA LOMA CIR.	COLD. SPGS.	CO	80911	390-8655
M00MNL	ROSIE	CALAWAY	616 N. 31st ST.	COLD. SPGS.	CO	80904	471-9965
M00TBJ	KIRBY	STAFFORD	4018 N. LORING CR.	COLD. SPGS.	CO	80909	596-3522
M00WJY	ELMER	SCHLADWEILER	712 N. 24TH STR.	COLD. SPGS.	CO	80904	471-7328
M00YTK	MINT	TAMMER	3308 CORBETT LN.	COLD. SPGS.	CO	80907	634-7563
M0200D	GREGORY A.	TARCIA	720 BRIDGER DRIVE	COLD. SPGS.	CO	80909	597-7064
M03EIB	HARVEY	HUNTER	1437 N. CHELTON RD.	COLD. SPGS.	CO	80909	597-8964
M04SYJ	BOB	ARMSTRONG	1430 ALLEGHENY DR.	COLD. SPGS.	CO	80919	260-1997
M07SDQ	DAVID	COPMANN	10280 SHILOH DR.	RENO	NV	89506	738-7800
M09AB8	JIMMY	SORRELLS	3200 BRIARCLIFF DR.	FINDLAY	OH	45840	422-1608
M00DUM	GEORGE	LOCKHART	13125 HERRING RD.	COLD. SPGS.	CO	80908	495-3983
M00IMH	DON	ERICKSON	4728 FROST DR.	COLD. SPGS.	CO	80916	
M00MHP	DOUG	MOLONEY	3817 VAQUERO CIR. SO.	COLD. SPGS.	CO	80918	599-9605
M00SDW	DAVID	RIESE	419 REDWOOD DR	COLD. SPGS.	CO	80907	471-0743
M02EVR	WILLIAM	BELLAMY	2413 MARNICK LANE	COLD. SPGS.	CO	80909	591-2378
M04MMC	THOMAS	KENIMER	9845 WALKER RD.	COLD. SPGS.	CO	80908	495-9122
M06YXD	HARV	SIMS	19740 FOUR WINDS WAY	MONUMENT	CO	80132	481-4597
M07THT	RICK	KILE	4150 ALDER CT.	LOVELAND	CO	80538	962-9179
M07VHR	STEVEN	NESTBY	1540 KEITH DR.	COLD. SPGS.	CO	80916	570-1970
M07WHT	ROBERT	ROLLER	4846 HERNDON CR.	COLD. SPGS.	CO	80928	282-0204
M08CNR	DAN	HAUSAUER	5252 CRACKER BARREL CR.	COLD. SPGS.	CO	80917	597-4095
M08GYH	THOMAS	COX	4241 MARLOW CIR.	COLD. SPGS.	CO	80916	597-9760
M08K	GEORGE	BEAUCHAMP, SR.	1316 N. BENNETT AVE.	COLD. SPGS.	CO	80909	635-8758
M08CMP	WAYNE	SHERIDEN	1426 BAYLOR DR.	COLD. SPGS.	CO	80909	596-2926
M08GHE	MICHAEL	SIGLER	180 RANGELY DR.	COLD. SPGS.	CO	80921	488-3370
M08BT	BARRY	SPRINGER	1145B MERTONIAN RD.	PATTON	CO	80831	495-9482
X_____	ROGER	SPALDING	616 E. ESPANOLA	COLD. SPGS.	CO	80903	578-8399
X_____	MARK	STEMICKA	230 HEADONRUE	WOODLAND PK.	CO	80863	687-7899
X_____	OENNIS	CONE	4902 MAGDMMASTER DR.	COLD. SPGS.	CO	80917	
X_____	STEVEN	SPRINGER	1538 APPLE CT.	CANON CITY	CO	81212	275-4835
X_____	KAREN	HUNTER	1437 N. CHELTON RD.	COLD. SPGS.	CO	80909	597-8964
X_____	BARTON	EPLEY	3055 SIERRA VISTA RD.	MONUMENT	CO	80132	481-3786
X_____	KURT	KAHLER	4802-A MCNERNEY ST.	FT. CARSON	CO	80913	527-9761
X_____	BRIAN	BROWN	3249 SQUAN VALLEY DR.	COLD. SPGS.	CO	80918	531-9423
X_____	CAROL	KELLEY	P.O. BOX 1327	COLD. SPGS.	CO	80901	632-1867

February 1994

PIKES PEAK RADIO AMATEUR ASSOCIATION

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY																																																																																			
		1 7:00pm ARES NET 146.97 7:30pm RACES NET 146.97 8:00pm SCTN 146. 97	2 7:30pm CMRG Info Net 147.345 8:00pm SCTN 146. 97	3 8:00pm SCTN 146. 97	4 8:00pm SCTN 146. 97	5 7:00am Village Inn Breakfast 7:30am Breakfast Country Kitchen Widefield (W2TJO) 8:00pm SCTN 146. 97																																																																																			
6 8:00am COLORADO ARES NETS 3928.0 6:30pm RACES HF NET 3990.5 8:00pm SCTN 146. 97	7 8:00pm SCTN 146. 97	8 7:00pm ARES NET 146.97 7:30pm RACES NET 146.97 8:00pm SCTN 146. 97	9 7:00pm PPRAA Meeting NH6ON on HF Propagation 8:00pm SCTN 146. 97	10 8:00pm SCTN 146. 97	11 8:00pm SCTN 146. 97	12 7:00am Village Inn Breakfast 7:30am Breakfast Country Kitchen Widefield (W2TJO) 9:00am VE Testing (KDOSU 531-9423) 8:00pm SCTN 146.97																																																																																			
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MONTHLY EVENT CALENDAR

1/22/1994

Board Meeting, Jan 17, 1994

The meeting was called to order at the QTH of Al, NØCMW at 7pm. The following members were present: Al, NØCMW, Malcom, KE9S, Luci, NØOUD, Rosie, WAØMNL, Ron, NKØP, Steve, KØCI, Al N2IWZ and Liz, NØTUK.

The following motions were passed.

1. The balance of the raffle money from last year's swapfest will be distributed to Skywarn (\$125.00), Education (\$252.77) and Field Day (347.00).
2. All club mail should be addressed to the club post office box.
3. Advertisements in the Ø beat will be free to members of the club. There will be a \$2.00 charge for non-members who wish to place an advertisement.
4. \$100.00 was approved for hourly prizes at the swapfest. The club picnic will be on Aug 21.

The Field Day site cannot be confirmed until March 1. Discussed the need for more than one person to have a key to the club post office box.

A bigger barrel will be needed for the tickets collected at the swapfest.

A copy of Ø Beat will be sent to the DAV.

The DAV will accept donations of clothing as well as food.

Discussed a written outline to give to prospective hams.

The meeting adjourned at 8:30 pm.

The next meeting will be at the QTH of Ron and Liz NKØP/NØTUK on February 14 at 7pm.

*Submitted by Liz, NØTUK
substituting for Ken, NØNKP*

Luci's name, and Steve is KØCI not NØCI.

Education. Classes to upgrade to General will be starting in March. VE Testing on Feb 12th & April 9th. VE's still needed.

The motion was made and accepted to authorize the purchase of a Kenwood TS50 HF mobile, and a TH22A HT for prizes for the PPRAA Swapfest in May.

Swapfest will be on May 21st, from 0800 until 1500 with setup at 0600 and the evening before. Harry still needs volunteers.

Homebrew. First prize went to Bob NØRNQ for a keyer he constructed. Second prize went to Tom NØNTX for a very complex frequency deviation meter. Greg WA2OOD was third with a nicely constructed power supply. In a field of three entries Rosie, WAØMNL & Ken NØNKP came in fifth place with their version of secure transmission along a long wire. It was a vast project with half - vast execution. Better luck next year...if you must.

Next month's meeting will be on HF propagation by Nick Powell.

*Submitted by Ken NØNKP
Club Secretary*

General Meeting Jan 12, 1994

Treasurers Report:
Previous Balance 877.67

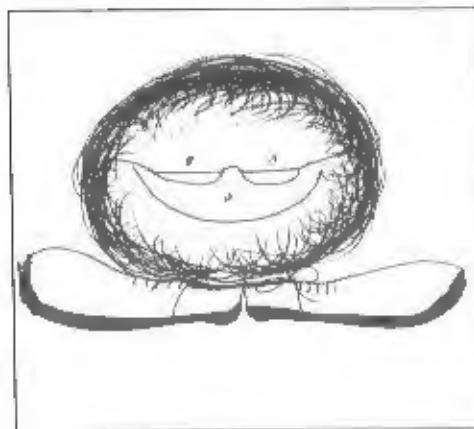
Income 1718.80
Expenses 845.10
New Balance 1749.37

The meeting was called to order at 1900 by Steve WB7VHR. The treasurers report was submitted and the minutes were approved with correction to spelling of

SPEDBNZLO

Introducing the Society of the Preservation and Encouragement of Differentiation Between Numeral Zero and Letter O. The 22 Charter Members of SPEDBNZLO within Pikes Peak Radio Amateur Association were presented their Charter Membership Certificates by President Steve Westby, WB7VHR, at the January meeting. Charter Members are: WØIHQ, NØION, WØKOH, WØMOG, KXØO, NØOCZ, NØODD, NØOEB, NØOPG, NØOPH, NØOPM, NØOPS, NØOPW, NØOTZ, NØOUD, NØQWO, KØROL, KAØROY, KAØROZ, NØUOC, NØUOD, WØVO.

Prunella's Corner



Thanks to the members who collected food at the most recent YMCA luncheon and then donated it to the DAV pantry. My colleague Franklin Fumble Ph.D. Dean of the College of Mumlopolies has learned the DAV food pantry continues to need non-perishable food items, especially powdered milk, peanut butter, fruit drinks, pastas and beans. The DAV will also find a use for clothing donations.

The faculty and students at our university have launched a food drive. The students and faculty were very generous and the food drive was a success by Mumlop standards, but not by human standards. We collected two pounds of beans and pasta. That

would feed a Mumlop for a very long time. Some human people friends have agreed to carry the pasta and beans to the DAV at your next meeting. We did not have a clothing drive for obvious reasons.

The human person by the name of Al (he is a very nice human person) will give a free raffle ticket to anyone who brings a donation of food or clothing to the next meeting.

Well, good-bye for now. I must continue with my research project on the great Mumlop literature of many centuries ago. When I complete my research, I will be happy to share it with all of you nice human people.

Ta Ta.

Prunella Ph.D

Dits and Bits

For Sale & Want ads are placed free of charge to current members of the PPRAA. Please limit to 25 words or less. Business ads are NOT accepted for this column. There is a \$2 charge for non-member ads. Editor reserves the right to limit or edit ads.

For Sale:

Kenwood TS-820 w/500 Hz CW filter, ext. VFO-820, MC-50 mic, SP-520 spkr, Exc. cond, Operator and Service manuals plus all original boxes. \$500. Heil HM-10 Dual mic w/ HC-4 & HC-3 elements, MA-1 adj. boom

\$110. WDØCNQ, Dan, 597-4095, 7-9pm.

Wanted:

Collins 51JA communications receiver in very good operating condition w/ speaker and any accessories.

J. A. Thomas 1130 Pleasantview, RR#3 Colorado Springs, CO 80921 481-4564

For Sale:

Yates 411 2mtr HT w/ many accessories. Call Fred, KAØWIE, 501-0290

For Sale:

Regency H/H scanner 100ch w/ extra Batt pk and leather case. \$100. Kenwood Dual Band H/T KW-75A w/ desk charger, spare bat. pk, spkr mic, manual. \$300. Alinco

DJ-F1T mini H/T 2mtr w/ acc. \$235. Icom IC-2A 2mtr H/T w/ 2 batt pks. \$135. Tempo S1 2mtr H/T w/service man. \$75. Kenwood 2mtr mobile KW-741A 50 watt (new) \$330. Other misc items. Call WII NØHRD 471-8527.

For Sale:

Kenwood 430S HF transceiver good cond. w/manuals. \$500. Icom 71A receiver good cond. w/ manuals \$500. Call L.A. Watts, WBØWOD, 591-1820.

For Sale:

Cannon BJ10E Laser quality ink-jet printer. Uses plain paper. Lightly used, w/ all docs. Call Kathleen, N9TMD, 527-8870

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John KFØPQ

Dean ACØS
Mike NIØE
Brian NØIGQ

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Committee Chairpersons, etc.

Publicity	Al Craig	594-9288
Membership	Les Borst	634-3095
Education	Al Bailey	597-8514
VE Testing	Rick Brown	531-9423
Interference	Bill Petty	591-2116
RACES	Doug Moloney	Unlisted
ARES	John Chapman	635-1604
Skywarn	Steve Westby	570-1070
Public Service	Mike Stansberry	636-1290
CCARC	Oak Stockton	570-7782
Club Trailer	Harry Russell	
Newsletter	Ron Deutsch	593-8352
Club Historian	Al Craig	594-9288
Falcon Wanderers	Bob Nyman	574-5161
Programs	Steve Shaarschmidt	598-3554
Swapfest	Harvey Hunter	597-8964
Christmas Party	Susan Smith	495-0624

General License Class

A class for those wishing to upgrade to General Class will be held at the DAV Center Palmer Park & Peterson Rd. starting March 17th and running each Monday & Thursday through April 7th. Starting time is 7pm. For more information or to sign up contact either Al Bailey 597-8514 or Frank McNally 598-8733. Watch March issue of Zero Beat for any last minute changes.

BEST KEPT SECRET IN SCIENCE...

Nikola Tesla

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1994 Colorado Swapfests

January

Northern Colorado ARC Swapfest January 22, 1994 at the Larimer County Fairgrounds. Contact: Musser Moore, NØVMN, (303) 221-3698

February

Aurora Swapfest February 20, 1994 8am to 2pm at Adams County Fairgrounds, Brighton. Contact: Judith Richendifer, (303) 450-6910.

April

Longmont ARC Swapfest April 2, 1994 at Boulder County Fairground in Longmont, CO. Contact: NØNMD, Randy Stevens in Boulder. (303)xxx-xxxx

May

Western Colorado ARC May 7, 1994 Mesa County Fairgrounds, Grand Junction, Colorado Contact: Jim Finnigan, KBØCCS (303)-243-9427

Pikes Peak Radio Amateur Association Swapfest May 21, 1994 at Liberty High School in Colorado Springs, CO. Contact: Harv Hunter, WA3EIB (719) 597-8964

June

Superfest June 11, 1994 at the Larimer County Fairgrounds in Loveland, CO. Try 145.115 on Tuesdays 9pm for updated information

July

Mountain ARC Swapfest & Campout July 15, 16, 17 1994 at Red Rocks Campground, Woodland Park, CO. Contact: Bob Whipple, NØFCR, (719) 687-9025.

August

Denver Radio Club Swapfest August 28th at the Jefferson County Fairgrounds. Contact: Dean Haworth, ACØS at (303) 279-4956

September

Boulder ARC Swapfest September 25, 1994 at Boulder County Fairgrounds in Longmont, CO. Contact: ? as of January 10, 1994